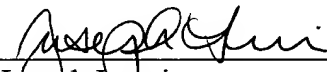


Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,

Date: 3/1/01

  
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VERSION WITH MARKINGS TO SHOW CHANGES MADE 1602 Rec'd PCT/PTO 01 MAR 2001

8

## Claims:-

1. A method of sensing the concentration of an oxidising gas in a gas mixture using a semiconductor gas sensor having a resistivity sensitive to the oxidising gas, which comprises increasing the sensor operating temperature to a first temperature to allow the sensor surface to reset then decreasing the sensor operating temperature to a second temperature and analysing the resultant resistance of the sensor at the second temperature.

2. A method according to claim 1 in which the first temperature is 400 to 800°C and the second temperature is 200 to 500°C.

3. A method according to claim 1 [or 2] wherein the sensor resistance is analyzed as a function of time.

4. A method according to [any preceding] claim <sup>1</sup> in which the oxidising gas is NO<sub>2</sub>, NO, Cl<sub>2</sub>, or O<sub>3</sub>.

5. A method according to [any preceding] claim <sup>1</sup> in which the sensor is a layer of WO<sub>3</sub>, In<sub>2</sub>O<sub>3</sub>, MoO<sub>3</sub> or SnO<sub>2</sub>.

6. A method according to claim 5 wherein the sensor is a layer of WO<sub>3</sub> and the oxidising gas is O<sub>3</sub>.

7. A method according to claim 2 wherein the sensor resistance is analyzed as a function of time.

AMENDED SHEET